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	Regi	stration No :													
Tota	al Nu	mber of Pages: 02		257			257			257			257	B .Phar BP60	
		6 th Seme	ester	Regu	ular .	/ Bac	k Ex	amin	atior	ո։ 20։	21-22	2			
				IEDIC	ANI	L CH	EMIS	STRY	'-III						
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	257	257		257		Mark				257			257		257
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An	swer	Question No.1 (Par	t-1) v	vhich					ny Se	even	from	Part	t-II an	d any tw	0
from Part-III. The figures in the right hand margin indicate marks.															
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		//				Part-	·I							\	
Q1	257 a)	Answer the following Write the structure and				aloeno	257 rine			257			257	(2×10)) 257
	b)	Define Antibiotics and			Српс	alospo	/IIII3.								
	c)	Write the structure and					n- B								
	d) e)	Define Prodrug and W Write the structure and					.								
	f)	Define drug design an						drug d	esign	١.					
	g)	Define antiviral drug a													
	h) ₇	Write the synthesis of Write the MOA and us					te ii s	use.		257			257	-	257
	j)	Write the importance													
						Part-									
Q2		Focused-Short Answ	ver T	vpe Q	uest			swer /	Anv S	Sever	1)			(5×7)
	a)	Classify Anti-Malerial					•					esis c	of		,
	b	Chloroquine.	4		i.e.	:4		415	. داره در در	N	40 A				
	b) 7	Define Anti Protozoala Metronidazole.	agent	s 3,5cla	SSITY	it and	write	tne s	yntne	esis,/I	NOA :	and u	ses or		257
	c)	Briefly explain the var					l in di	rug de	sign.						
	d)	Define the following partition co			QS/	AR.									
		II. Hammett's			parar	meter									
		III. Tafts sterio	para	meter	-										
	6 17	IV. Hansen an Write the MOA and us			vina c	druge:	257			257			257		257
	Cy.	I. Azithromyo		101101	vii ig c	arugs.	- 201			201			201		
		II. Streptomy	cin												
		III. RibavirinIV. Ivermectin													
	f)	Write the synthesis ar	nd MC	A of I	sonia	azid									
	g)	Write the SAR of Quir													
	h) 257	Write the CAR and less											257		257
	i)	Write the SAR and Im	porta	nce of	ren	iiciiin a	and I	eπrac	yciins	5.					



	Reg	istration No :	257			257			257			257		257
Tota	al Nu	mber of Pages : 02											B.Pharr BP602	
		6 th Same	ester Reg	uulor.	/ Pac	k Ev	omin	otion	. 201	24.22)			
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	257	257	257		e : 3				257			257		257
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Aı	nswe	er Question No.1 (Pa	rt-1) whic					ny ei	ght f	rom	Part-	ll and	any two	
			·	fro	m Pa	rt-III.							-	
		The figur	es in the	right	hand	d ma	rgin	indic	ate n	nark	s.			
	257	257	257		Part-	-1 ₂₅₇			257			257		257
Q1		Answer the following	_			201			251			201	(2×10)) 201
	a) b)	Define Digestants and Define COPD. Classify					S.						_	
	c)	Discuss the MOA of H			COPI	J.								
	d)	What are prokinetics?												
	e)	Write the MOA of Tetra									_			
	f) g) ₅₇	Write the MOA of Fluo What is Cotrimoxazole		ies.		257		_	257			257		257
	h)	Define and classify and		ugs.		257			257			257		207
	i)	What is Nasal deconge	estant?											
	j)	Define Teratogenicity.												
					Part-l					,				
Q2	_,	Focused-Short Answ	er Type C	uesti	ons-	(Ans	wer A	any S	even)			(5×7)	
	a) b) ₅₇	Anti-emetics Respiratory stimulants	257			257			257			257		257
	c)	Chemotherapy of tube				201			201			231		201
	d)	Chemotherapy of STD												
	e) f)	Expectorants and antit Immunosuppressants	ussives											
	g)	Organophosphate poi	soning											
	h)	Toxicity studies	_ : : : c : _											
	i) 257	Biological clock and th	eir signific 257	ance		257			257			257		257
				-	Part-I									
00		Long Answer Type Q									10/		(40)	
Q3		What is bronchial ast Mechanism of action		-	_								(10)	
		Theophylline.	i, priarria	cologi	ou. u		, (01	0100	01100	oto ai	iia a	000 01		
04		Anguar the fallenders	aatia.aa											
Q4	a) 57	Answer the following of Discuss the mechanism		c acid	secre	etion a	and its	s requ	lation	١.		257	(5)	257
	b)	Discuss the mechani									gastri		(5)	
		secretion.												



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257 Total Nu	umber of Pages : 01	2	37		257			257	1		257 E	3.Pharm. BP603T	257
257	6 th Sem	HER 2 Questic	BAL I BRAN Ti 7 M Q On No om Pa	DRUG CH(S) ime : 3 ax Ma . Code .1 (Pa art-II a	TECHN : B. Pha : Hours rks: 75 e : J201 rt-1) wh	ich is	GY s coi rom	257 mpul Part	sory -III.		257		257
Q1 /	Answer the following	ng ques	tions:	Pai	rt-I							(2×10)	
²⁵⁷ a)	Define medicinal her				257			257			257	1	257
b)	Write various source Define Nutraceuticals				agents.								
d)	Differentiate Aristas												
e)	Define health foods v												
f)	What do you mean b		alue? V	Vrite si	gnificand	e of T	otal a	ash v	alue.				
g)	Expand and define IF		\		I.W								
h) ₂₅₇ i)	Write biological source Differentiate churna			naturai	colourar	ιτ.		257			257		0.57
25/ ·/	What is similia similik			homoe	opathy?			257			257		257
Q2	Focused-Short Ans							even)				(5×7)	
a) b)	Discuss about the ba Outline good agricult							of mo	dicina	al nlani	to		
c)	Write short notes on					Julive	ition (JI IIIC	ulcille	ai piai i	.5.		
d)	Submit a brief note o					bene	efit in	the D	iabet	es.			
₂₅₇ e)	Discuss various stan	dardizat	ion pa	ramete	rs for gh	utika.	. /	257			257		257
f)	Write a brief note on products in reference			ects of	tradition	al kno	wled	ge an	d nat	ural			
g)	Write notes on Herb-			on									
h)	Write notes on Herba												
i)	Write notes on bio-in	secticide	es.										
				_									
	Long Answer Type	Ouestic	ne (A	Par		٥)							
Q3 ²⁵⁷	Give a note on herba			IISWEI	257	o)		257			257	(10)	257
Q4	Write in detail about	Herbal e	xcipie	nts.								(10)	
Q5	Discuss in detail on e	evaluatio	n met	hods fo	r herbal	drugs	as p	er W	HO gı	uidelin	es.	(10)	
Q6	Present an account of	of plant b	pased	industri	ies and i	nstitut	ions	involv	ed in	work	on	(10)	
	medicinal and aroma											` '	
257	257	2	57		257			257			257		257

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An Q1	257 s we 1	BIOPHA 257 r Question No.1 (Pa	T Ma Q rt-1) which i fres in the rig g questions :	CS AND PH CH(S): B.Pl ime: 3 Hou ax Marks: 7 .Code: J24 s compulse rom Part-III ht hand ma	ARMACC harma ir 75 4 ory, any e	257 sight from	257 Part-II and	257	
	b) c) d) e) f) g) h) ⁷ i)	What is t 1/2 of drugs? What do you mean by What is intrinsic disso Define therapeutic wii What is blood-brain b What do you mean by Give one example of Define Bioavailability What do you mean by	/ apparent volution rate? Indow of a drugarrier? I clearance? acetylation rea	g. action. ²⁵⁷ alence.	oution?	257	257	257	
Q2	a) b) c) d) e) f) g) h)	Focused-Short Answ Describe briefly carried How polymorphism at What is pH partition has warious Examples. Describe the major phase briefly in-vitated Describe Noyes-White Discuss various factors.	er-mediated tra ffects bioavaila ypothesis? patient related hysiological bio fro in-vivo corn ney equation. rs causing No	estions- (An ansport. ability? 257 I factors for pological barricelation.	protein-drug ers for distr	257 g binding? G ribution of dr		(5 × 7) 257	
		Long Answer Type (Quaetione (Ar	Part-III	iwo)				
Q3		Describe different the	•	_	440)			(10)	
Q4		Write the different pro	cesses involv	ed in urinary	excretion of	of drugs.		(10)	
Q5	257	Discuss different Pha for Extravasuclar Adn		Parameters fo	or one com	partment op	en model	(10) 257	
Q6		Describe the methods	s used to enha	nce the bioa	vailability o	of poorly solu	ıble drugs.	(10)	
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	Regi	stration No :							
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				Par	t-l				
Q1	->	Answer the following	g question	s:					(2 × 10)
	a) b)	Define transducers. Define Haptens.	257		257		257	257	7 257
	c)	What are plasmids?							
	d)	Define Sparger.				- 4			
	e) f)	What is DNA Ligase? Define primers.							
	g)	Define mutation.							
	h)	Write two important cl	naracteristic	cs of IgM.					
	<u>i)</u> 57 j)	Define transduction. Define subunit vaccin	257		257		257	257	257
	J)	Define Suburiit vacciii	5 5.						
				Par					
Q2		Focused-Short Answ					even)		(5×7)
	a)	Discuss in detail abou				arts.			
	b) c)	Discuss about Souther Define cloning vector	_			with ne	at laheled	diagram	
	d) ⁷	Discuss briefly about	257				257	257	7 257
	e)	Define immunoglobuli						unoglobul	in.
	f)	Discuss in detail abou	t downstrea	aming of p	enicillin af	ter com	pletion of	fermentati	ion.
	g)	Define hypersensitivit	y reaction a	and write i	n detail abo	out Typ	e I hypers	ensitivity	
	h)	reaction. Discuss in detail abou	ıt Fermento	r and its c	lifferent na	rts			
	i)	Write about different t			штететт ра	110.			
	257	257	257		257		257	257	7 257
				Par	t-III				
		Long Answer Type (•					(4.5)
Q3		What is enzyme immo	obilization?	Write its r	nethods ar	nd appli	cations		(10)
Q4		Write in detail about in	nsulin produ	uction by g	genetic eng	gineerin	ıg techniqu	ıe.	(10)
Q5	257	Discuss hybridoma te antibody.	chnology, V	Vrite its ap	oplication f	or prod	uction of n	nonoclona	d (10) ₂₅₇
Q6	_	Write notes on :							
	a) b)	Transformation Transduction							(5) (5)
	b)	Transduction							(5)

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Tota	al Nu	mber of Pages : 02											B.Phar BP606	
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		The figure	es in the	ngnı	nanc	ı ıııaı	rgiii i	maic	ale	Hark	5.			
	257	257	257		Part-	1 ₂₅₇			257		2	57	Α	257
21	a)	Answer the following Potency complaint is w			mnlair	ıt?							(2 × 10	J)
	b)	Mention the important										/		
	c)	What is P-D-C-A	and office a			::14								
	d) e)	Write the importance a What do you mean by				liter								
	f)	Mention the need of IS												
	g) ₇	Define quarantine area				257			257		2	:57		257
	h) i)	What is validation mas Define the importance		Form	ula Re	ecord								
	j)	Define Total Quality M												
					Part-l									
Q2		Focused-Short Answ	er Type C				wer /	Any S	Sever	1)			(5 × 7)
	a)	What are GLP and GN							LP ar	d GN				0.55
	b)	Write the differences by	etween ca	librat	ion an	d val	idatio	n. /	257		2			257
	c) d)	What is quality audit? Write the principles of	GI P and h	riefly	write	the n	on-cli	nical	etudy	, prot	ocol			
	e)	What are the responsi		•					•					
	f)	White a short note on	TQM.											
	g)	Discuss the ISO 9000												
	h) f) ⁵⁷	What is QbD? Why Qb Write the importance of	0.57		-	0 = =			0.55	induc	etrion2 2	.57		257
	')	write the importance t	n material	IIIaIIa	igerrie	111 111	рпап	liace	ulicai	iiiuus	ou les :			
					Part-l									
Q 3		Long Answer Type C		-		-	-	00 m	alaint	han	dlina ov	otom	(10)	
A2		Write the types of caccording to GMP in c								Пап	ulling Sy	stem	(10)	
Q 4	257	What is stability testing stability testing guideli	•	categ	gories	of⊧lC	H top	ics. V	Vrite i	n det	ail about	dСН	(10)	257

